

CLAIMS

sub A1
1. (amended) A method for analyzing an intestinal bacterial flora of a subject, comprising:

5 a nucleic acid amplifying step of amplifying nucleic acid of an intestinal bacterial group in a sample extracted from the subject with a specific PCR primer; and

an analyzing step of analyzing the intestinal bacterial flora on the basis of an amplified fragment obtained in said
10 nucleic acid amplifying step, wherein

said specific primer is a primer having a specific amplification probability.

2. The method for analyzing an intestinal bacterial flora
15 according to claim 1, wherein said analyzing step includes a fractionating step of fractionating said amplified fragment by electrophoresis and an analyzing step of analyzing a fractional pattern obtained in said fractionating step.

3. The method for analyzing an intestinal bacterial flora
20 according to claim 1, wherein hybridization with said amplified fragment is performed using a plurality of probes so that analysis of the intestinal bacterial flora is performed based upon presence/absence of formation thereof in said analyzing
25 step.

4. The method for a analyzing n intestinal bacterial flora according to claim 3, wherein said probes are arranged on specific positions in a detector.

5

5. (amended) A method for analyzing an intestinal bacterial flora of a subject, comprising:

a nucleic acid amplifying step of amplifying nucleic acid of an intestinal bacterial group in a sample extracted from the subject with a specific PCR primer; and

an analyzing step of analyzing the intestinal bacterial flora on the basis of an amplified fragment obtained in said nucleic acid amplifying step, wherein

hybridization with said amplified fragment is performed using a plurality of probes so that analysis of the intestinal bacterial flora is performed based upon presence/absence of formation thereof in said analyzing step, and

said probes are arranged on specific positions in a detector.

20

6. (amended) The method for analyzing an intestinal bacterial flora according to claim 4 or 5, wherein nucleic acid amplified from each intestinal bacterium with the PCR primer employed in said nucleic acid amplifying step is used as a probe.

25

SUB
A2

SUB 5
A2
COU'4.

10

15

20

UB

25

an analyzer that analyzes the intestinal bacterial flora from an electrophoretic pattern fractionated in said electrophoretic unit.

an analyzer that analyzes the intestinal bacterial flora
10 from a result of said hybridization.

12. The apparatus for analyzing an intestinal bacterial flora according to claim 11, wherein said hybridizer includes a DNA chip where a probe formed by nucleic acid derived from the intestinal bacterial group is arranged.

13. The apparatus for analyzing an intestinal bacterial flora according to claim 11, wherein said hybridizer includes a detector where a specific probe formed by nucleic acid derived from the intestinal bacterial group is arranged on a specific position.

14. The apparatus for analyzing an intestinal bacterial flora
according to claim 13, wherein nucleic acid amplified from each
25 intestinal bacterium with a PCR primer employed in said nucleic

acid amplifier is used as a probe.